State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

AWC Volume |SE| SC SW W AR IN USGS Quad Craig B-3

Anadromous Water Catalog Number of Waterway 103-60-10470-2144

Name of Waterway Last Creek USGS name ____ Local name X

Addition X Deletion ____ Correction X Backup Information X

For Office Use

Nomination # 95 213	Lanae Shea	11-1-94
Revision Year: 95	Regional Supervisor	Date
Revision to: Atlas ____ Catalog ____ Both X	E. L. Weiss	12/9/94
Revision Code: A-1	D. Drone	12/12/94
	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
coho salmon	16 June, 9 Nov 1993		numerous		yes
cutthroat trout	9 Nov 1993		numerous		unknown
Dolly Varden char	9 Nov 1993		10+		unknown

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area samples; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: stream examined upstream of current cataloging. Upper end CO use identified as rocky chute, although gradient & habitat OK above it. Only CT & DV captured above chute. Extend CO habitat as shown.

ALASKA DEPT. OF FISH & GAME
NOV 29 1994
REGION II HABITAT AND RESTORATION DIVISION

Name of Observer (please print) James D. Durst, Habitat Biologist

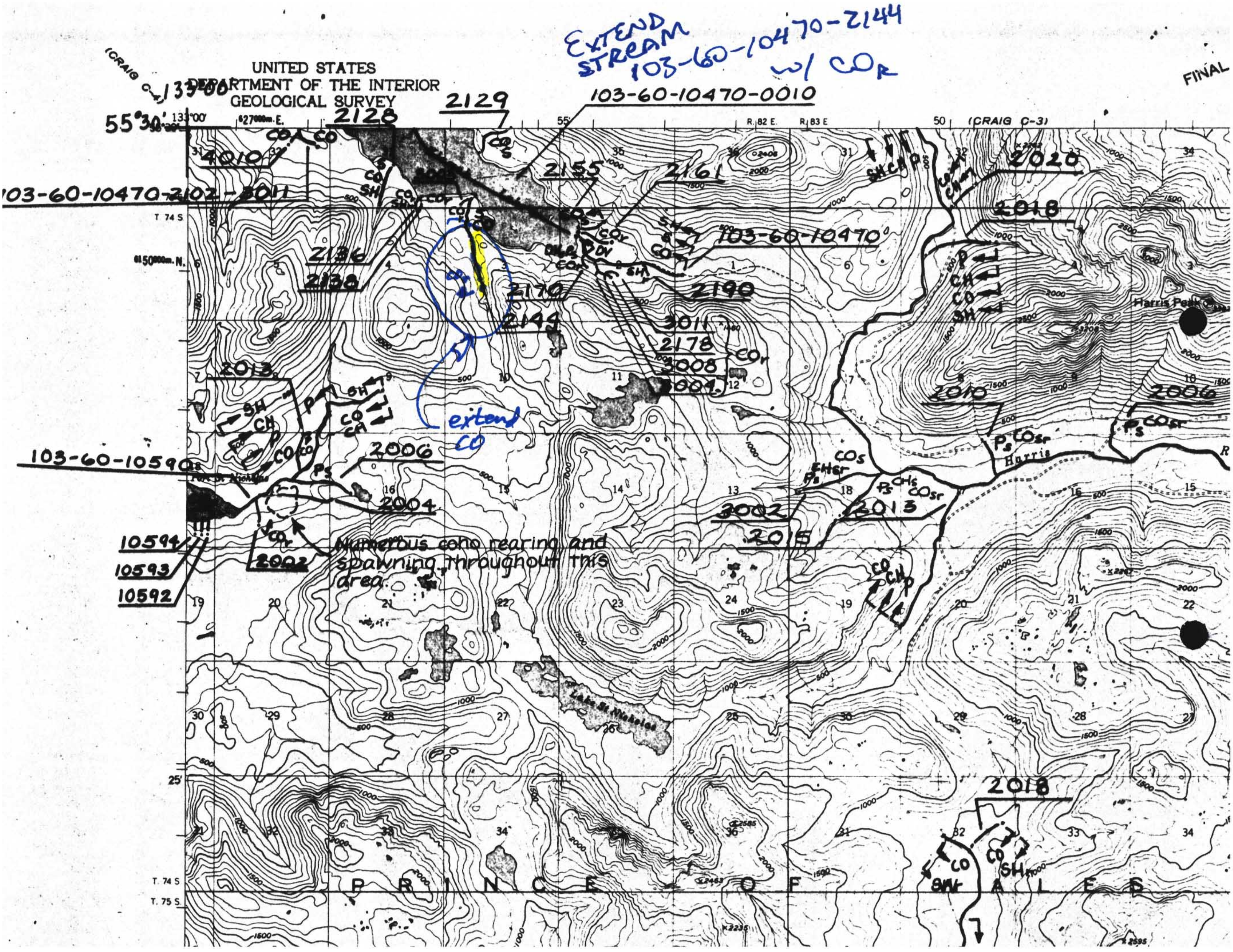
Date: 12/14/93 Signature: James D Durst

Address: ADF&G, Habitat & Restoration Division
P.O. Box 271, Klawock, AK 99925-0271

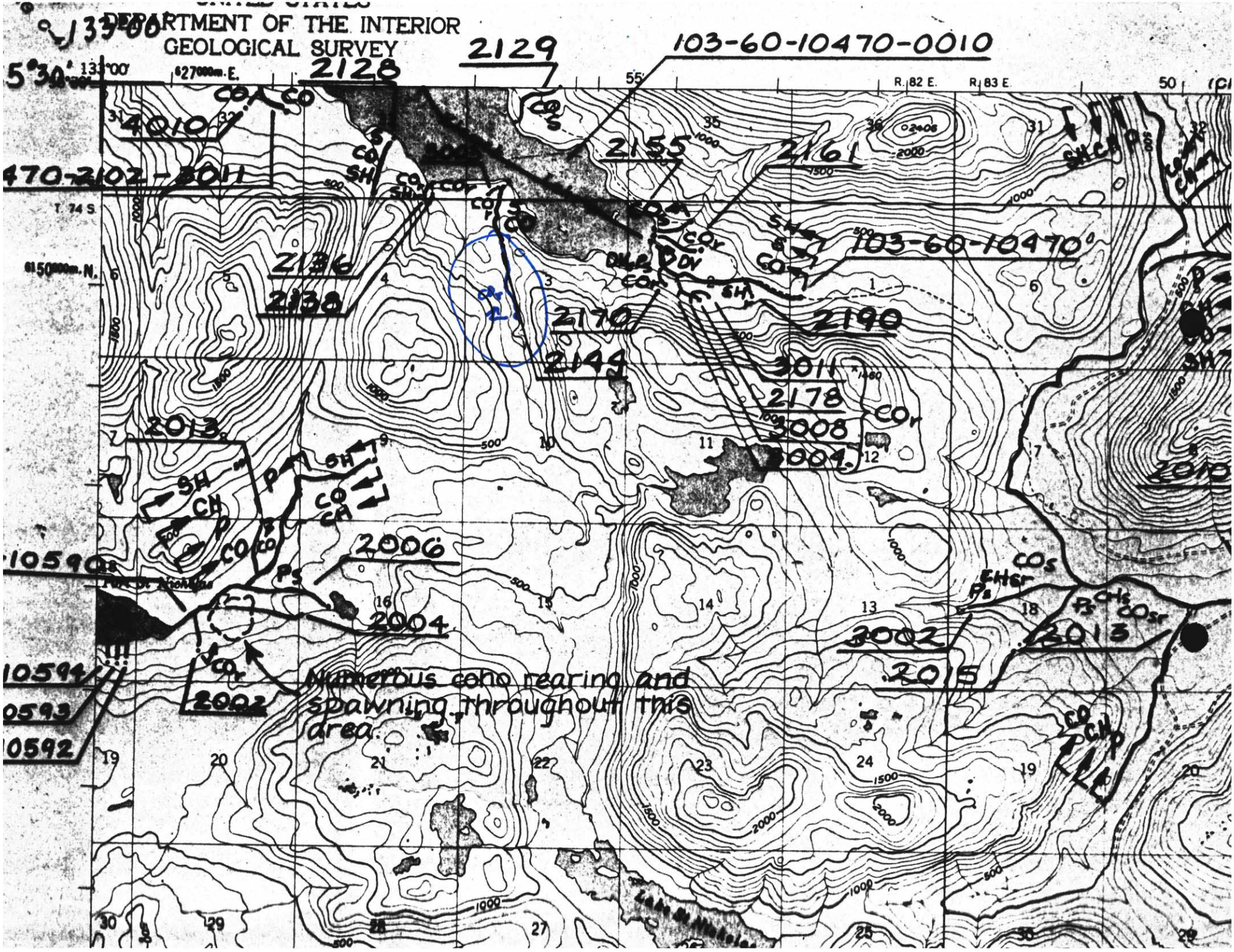
This certifies that in my best professional judgement and belief the above information is evidence that this water body should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

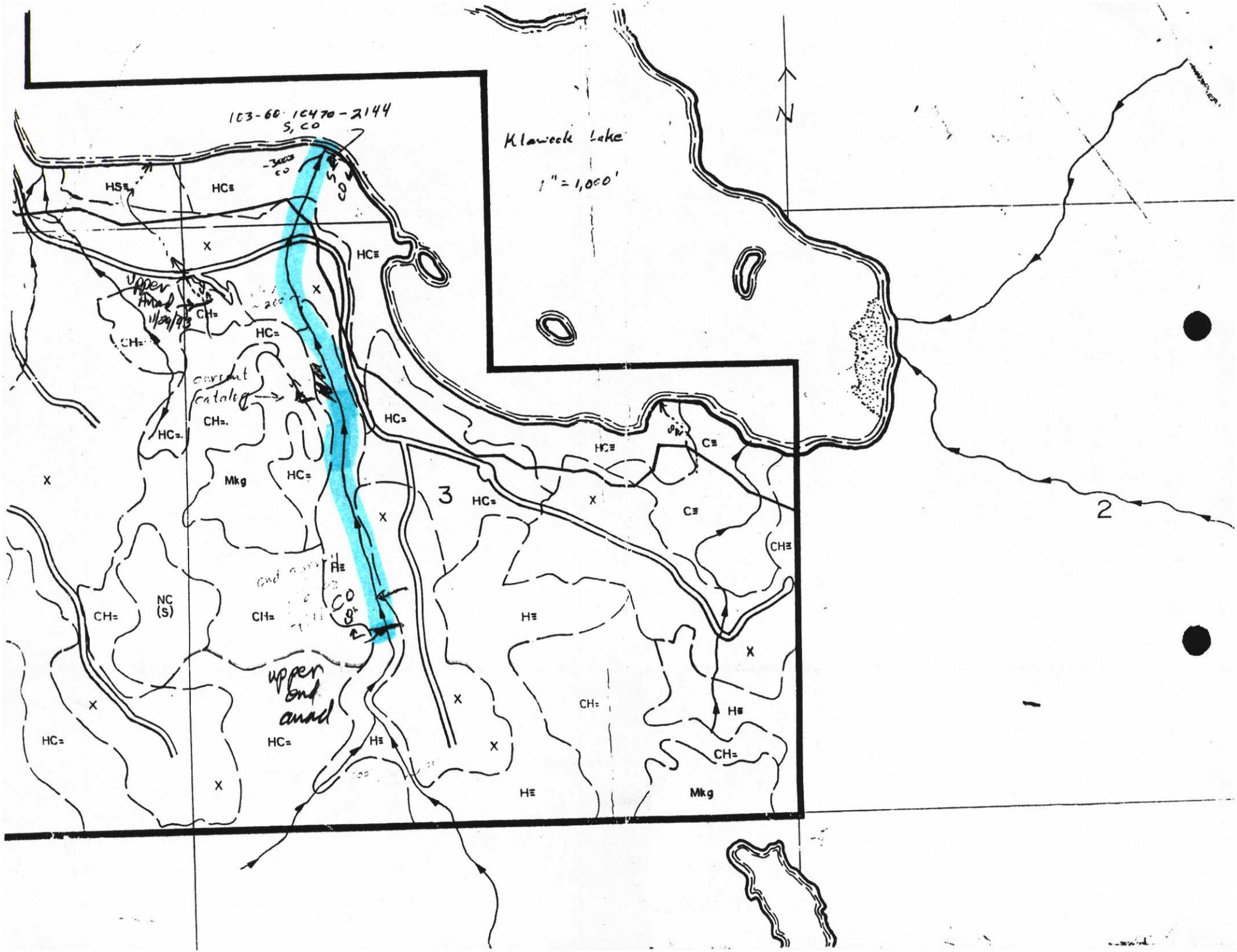
Signature of Area Biologist: Jack Gustafson

Rev. 7/93



EXTEND STREAM 103-60-10470-2144 w/ COR
FINAL
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(CRAIG C-4)
(CRAIG C-3)
55°30'
133°00'
103-60-10470-0010
103-60-10470-2102-3011
103-60-10470
103-60-10590
2129
2128
4010
2155
2161
2136
2138
2170
2144
2190
3011
2178
3008
3004
2013
2006
2004
2002
2020
2018
2010
3002
2015
10594
10593
10592
extend CO
Numerous coho rearing and spawning throughout this area.
Harris
Harris Peak
Lake St. Nicholas
PRINCE OF WALES
T. 74 S.
T. 75 S.
R. 82 E.
R. 83 E.


DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
103-60-10470-0010
2129
2128
2155
2161
103-60-10470
2136
2138
2170
2149
2190
2178
2013
2006
2004
2002
2015
Numerous coho rearing and spawning throughout this area.


103-60 10470-2144
S, CO
Klawock Lake
1" = 1,000'
N
HS≡
HC≡
X
CH≡
Mkg
3
2
C≡
H≡
NC
(S)
upper end anad

MEMORANDUM

State of Alaska

DEPARTMENT OF FISH AND GAME

TO: Al Peterson
Forest Practices Forester
Department of Natural Resources
Ketchikan

DATE: June 16, 1993

FILE #:

PHONE: 755-2485

FROM: James D. Durst
Habitat Biologist
Habitat & Restoration Division
Klawock

SUBJECT: Stream Inspection With Shaan-Seet, Last Creek

Today, Sam Thomas and Don Yates (SSI), and I examined a stream in section 3 on the south side of Klawock Lake near its east end. Shaan-Seet, Inc. (SSI) is preparing a unit along this stream, and requested a determination as to the upper extent of anadromous habitat.

The stream in question is Last Creek, stream no. 103-60-10470-2144. It is cataloged for coho and sockeye salmon from its mouth to a little over 2,000' upstream. The mainline road along the south side of Klawock Lake crosses the stream about 1,000' from its mouth. Due to time restrictions, we were not able to determine the upper limit, but documented coho fry present from the upper cataloged portion to about 4,500' from the mouth. At that point, Last Creek is about 10'-15' wide, with a gravel substrate and a gradient of about 4%. Large woody debris plays a major role in stream morphology and fish habitat.

A subsequent inspection will be required to determine the upper extent of anadromous fish habitat, and to determine the appropriate water body classifications for Last Creek's banks. Based upon my observations today, I believe that there are reaches of both types A and B present. Portions of the stream have bedrock substrate, and portions appear to meet the criteria for an incised channel. A short reach of 7% was noted, but the stream gradient is typically 4%-6%.

Please call if you have any questions or need further information.

cc: L. Shea, ADF&G, Douglas
J. Gustafson, ADF&G, Ketchikan
S. Thomas, SSI, Craig

Overcast & warm
water very low
JD

Wednesday 16 June 1993

Shaan-Seet Stream Inspection w/ Sam Thomas & Don Yates

drove to southeast end Klawock Lake, to stream # 103-60-10470-2014

many of streams under road are dry; this stream OK flow at bridge, w/ CO fry in pools

saw good-sized bear on hillside by road x-ing

up to Tom's Pit, & walked down to stream: nice gravels, very narrow floodplain; Type A in all likelihood

working upstream, identifying CO fry in pools & catching some w/ net or hand hat

came to section of bedrocky sub-

16 June (2 of 2)

slide & boulder, w/ multiple debris jumps of 2-3'; appeared potential barrier, but lots of CO above; stream flattens out & habitat continues;

section of hillside slid from below road into stream; jumbled logs & mess; beaver dam immediately upstream, in fair but leaky condition

stream continues to improve, getting some wider, some meanders, gradient down to 4%, some floodplain, still lots of LWD

flagged 2 bl/wht & a yellow at upper end of today; still CO in pools

1040 bumped up to road

9 Nov (3 of 3)

+780 E bank → A, W remains B

+905 W side → A, E remains A

+1242 little wiggle

+1335 E side B-ish, then W B-ish

+1530 out of steep; both sides still A

at old XC

~1800' at end of old survey
stream 15'-30' wide, gravel
w/ sand substrate / 2%-3%

Checked upstream to ~30' above rock
chute / blowdown / decrepit
beaver dam. DV + CT only
~2430' above chute, which is
designated upper end of unit;

~6.CO + ~10 CT up to
each chute

Wednesday 10 November 1993 JD

STC Beaver Cr. / Deer / Barly
Inspection w/ Al Peterson, Bob Gist,
Eric Hanson, Bruce Astren

Perry Creek: bridge salvage
went well; used puncheon
on E approach in stream bed;
bridge approaches repaired
well; large amount still
in stream; banks looking
silted-in debris above &
below road; slide came
from out of timber to W
of stream high; generally
looks like clean sand, gravel,
woody debris. Dave
Phoenix "boss" → Hanson asked about pulling
H out of stream to fine tune
recontouring; STC proposing
rehab from pool at slide
area out on Brown; Jack Cody
hot to get on rehab now;

Tuesday 9 November 1993 JD

SSI South Klawock Lake Inspection, w/
Sam Thomas, Al Peterson

KL93 A + B Spurs: look like good locations; starting to cut ROW; will be built before shutdown

KL93 C Spur: 2 CMPs needed in V-notches to reopen mainline (24" + 36" minimum) to terminal landing; spur takes off shortly before spur; woody debris pile for side second notch will be moved to stable location

Last Creek: up stream to check out typing, + determine upper end anad

9 Nov. (2 of 3)

as get in canyon, W side becomes type B due to bedrock + incision, E side small floodplain w/ gravel

Al started sling ~100' above where B starts W side;

+50' E side → B, W still B

+445 26" S leaning slightly across; but not significant; holding silt point together in type B channel; & requested tree be left; AP says no

+625-692 old slide amount in stream w/ debris + gravel in stream; appears to have been stable during recent high water

on mud by old beaver dam, bear track + smaller canid(?) tracks